

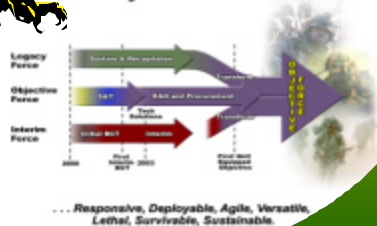


Leadership
Teaming
Communication
Employee Support
Strategic Thinking
Organizational Climate

Logistics

Essential
to Army
Transformation

The Army Transformation



Armament Logistics Initiatives

Major General N. Ross Thompson III
Commanding General
Tank-automotive and Armaments
Command

Transformation

Without a Transformation in Logistics, there will be no Army Transformation . .

Problem

- Logistics is too heavy in terms of infrastructure and consumes too many resources.
- Logistics has not kept pace with best business practice as developed by industry.
- Several significant pieces of a reformed logistics process have been developed, however . . .
 - *There is a fractionalized vision*
 - *There is no truly comprehensive plan*



Mission Statement

By 1 August, the Logistics Transformation Task Force (LTTF) will develop a comprehensive plan to revolutionize Army logistics to meet the challenges of Army Transformation. The plan will include short term, medium term, and far term actions, with options for resourcing them.

Approach

Build on previous and current plans, initiatives, and studies . . .

BUT....

- ***Be BOLD!!***
- ***Be innovative***
- ***Challenge the existing processes, organizations, and culture.***



Our Performance Criteria

- The LTTF will have succeeded in its mission if the final plan:
 - Reduces logistics footprint
 - Improves deployability
 - Generates more logistics capability using fewer resources

...and begins to attain a culture of continuous improvement...

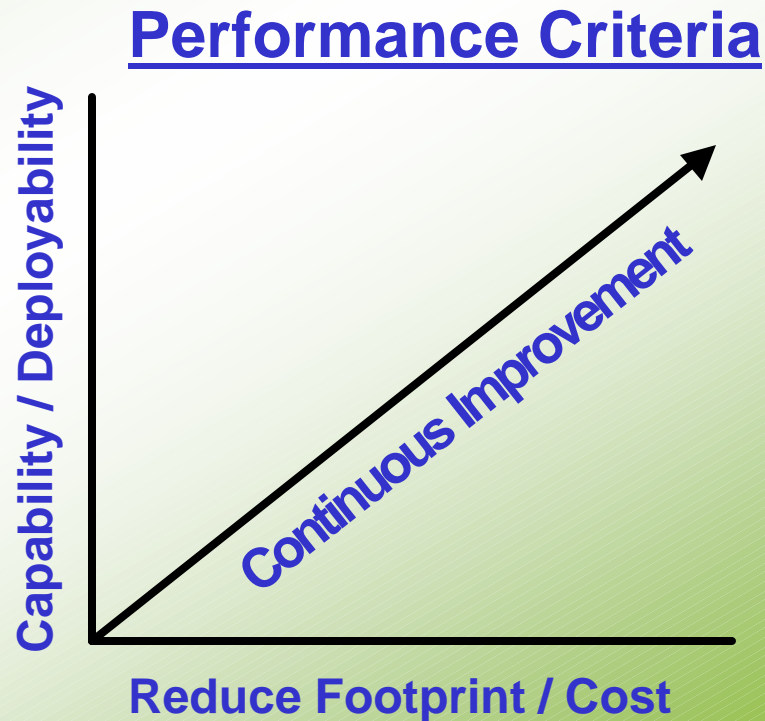


Logistics Transformation

The Goal

- Create Products/Services
 - Customer Relationship Management
 - Effective Program Management
 - Collaborative e-Design and Development
- Build Products/Services
 - Product / Process Flow
 - Consolidation
 - Inventory Reduction
 - Logistics Chain Optimization
 - e-Commerce
- Support
 - Shared Services and Systems
 - Financial Management

Reduce Variability
Reduce Steps / Complexity





Overarching Principles Supporting Scoring Criteria

- Enhances warfighting / combat power
- Provide same or better logistics capabilities with fewer resources
- Reduce demand
- Improve business processes
- Increase capability through greater simplicity (or less complexity) - reduce time a war fighter has to spend on CSS functions
- Institutionalize the transformed capability or process
- Create a culture of continuous improvement



Scoring Criteria

Logistics Transformation Goals – Score with metrics

- Reduces net costs
- Reduces combat zone footprint – people, equipment, sustainment materiel (STONs and SQFT)
- Reduces deployment time – use representative scenario(s) to evaluate

Additional Benefits (Yes/No with quantification where possible)

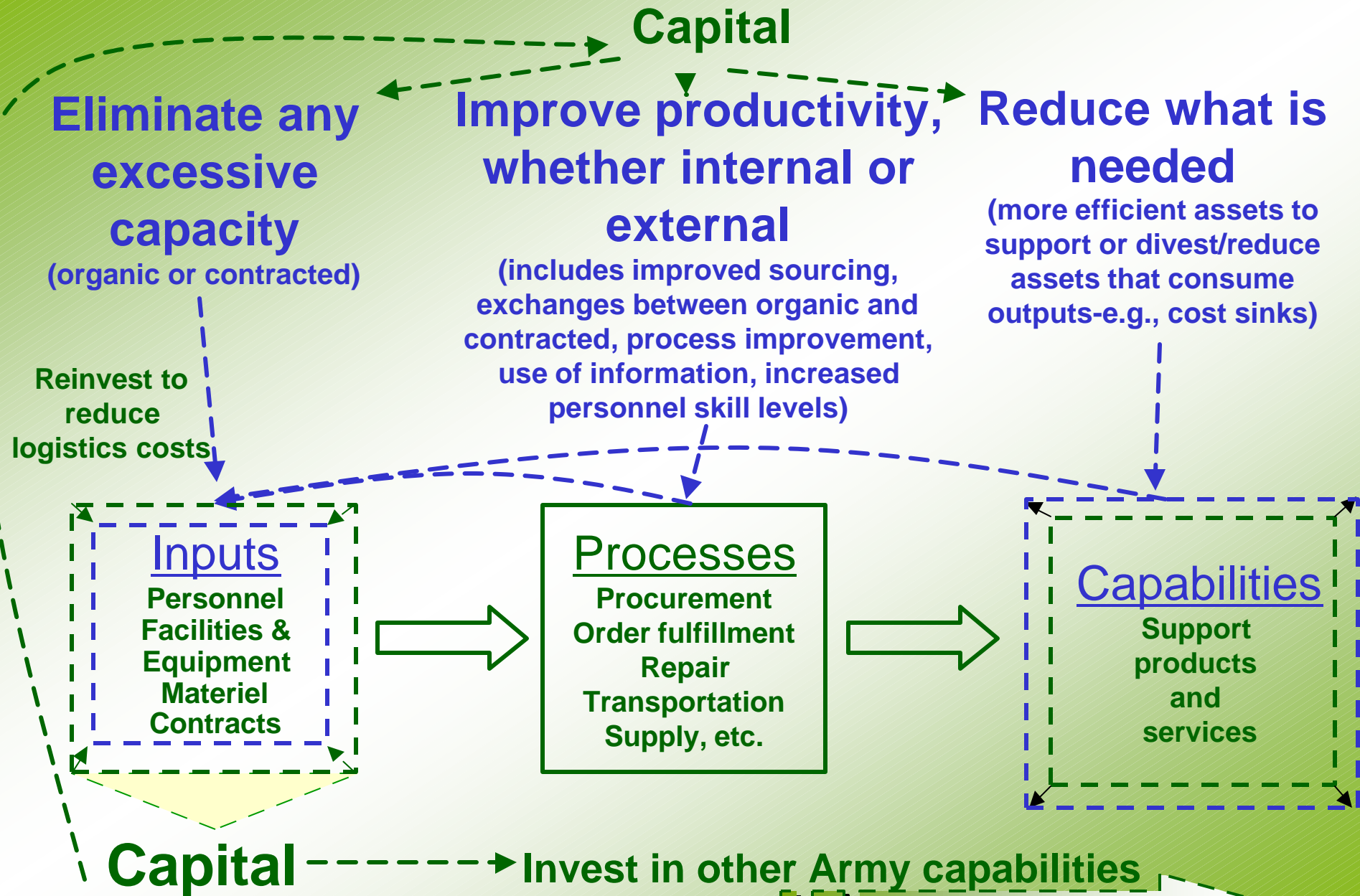
- Necessary to provide new Objective Force operational capability
- Improves cost transparency to improve decision-making
- Enhances joint and combined interoperability
- Creates a one-time savings that can be used to fund other ideas

Account		Increase	Decrease
MILPER			
O&M			
RDT&E			
MILCON			
Housing			
BRAC			
Net			

Affordability

Input		Increase	Decrease
Personnel			
Facilities			
Materiel			
Contracts			
Net			

Input – Process – Output Relationships





Armament Logistics Initiatives

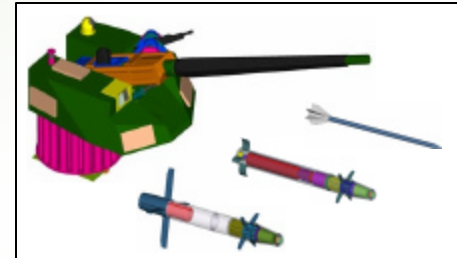
- **Reduction in armaments weight and cube**
- **More reliable systems**
- **Embed logistics in the life cycle planning process**
- **Accelerated through-put and multi-modal distribution**

Enables the Objective Force to be more lethal and survivable



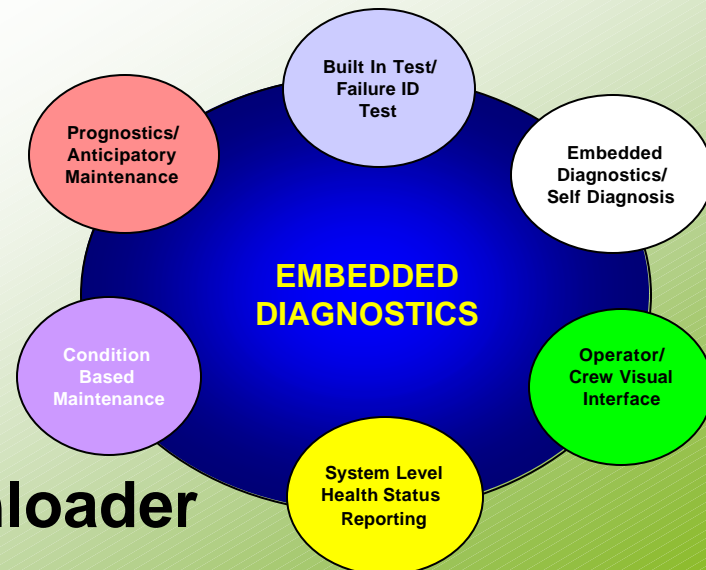
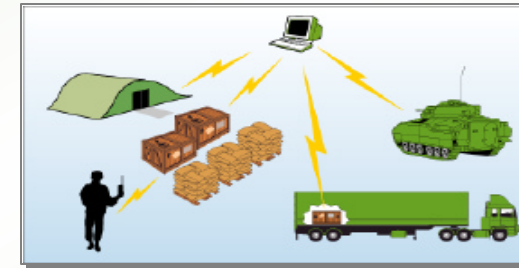
Reduction in Armaments Weight and Cube

- **Multi-Role Armament and Ammunition System**
 - Multi-mission capability in one vehicle
 - 81% reduction in ammo truck & aircraft sorties (compared to 155mm Paladin)
- **Precision Guided Mortar Munitions**
 - 81% reduction in C17s for IBCT
- **155mm Excalibur (Item Analysis)**
 - 87-98% reduction in number of rounds fired
- **Joint Lightweight 155mm Howitzer**
 - 50% reduction in C130 sorties
- **Objective Crew Served Weapon**
 - 1 weapon with capabilities of 3 (M2, M240, and MK19)
 - 95% reduction in ammo weight (anti-personnel role)



More Reliable Systems

- Remote Readiness Asset Diagnostics/Prognostics System (AMCOM/TACOM)
 - Micro-sensors to collect environmental data (i.e. temperature, humidity & shock)
 - Compares data to predictive algorithms
 - Enables real-time knowledge of munitions health
 - Feeds Logistics Mod Program and GCSS-Army
- Integrated Diagnostics/Prognostics
 - Universal prognostics unit for PM-TMDE
 - M109A6 Paladin High Speed Downloader





Embed Logistics in the Life Cycle Planning Process

Insensitive Munitions (IM)

- **IM technology making steady progress**
- **Modular Artillery Charge System (MACS)**

Packaging

- **Commercial packaging for small arms**
- **Reducing layers: 120mm mortar - 63% weight savings**

Demilitarization

- **“Design for demil” policy in all new munitions**
- **Developing new demil technology**
- **Maximize Resource Recovery, Reutilization, and Recycle (R3) – view 500K ton demil stockpile as a supply source**



Accelerated Through-Put and Multi-Modal Distribution

Smart Distribution System (ARDEC/TARDEC)

- **Problem:** the Army distribution pipeline is too slow, the logistics footprint is too large and it cannot sustain continuous Objective Force operations
- **Solution:** A seamless intermodal smart distribution system:
 - Intermodal Platform (land/air/sea/airdrop)
 - Future Tactical Truck System with Intelligent Load Handling System

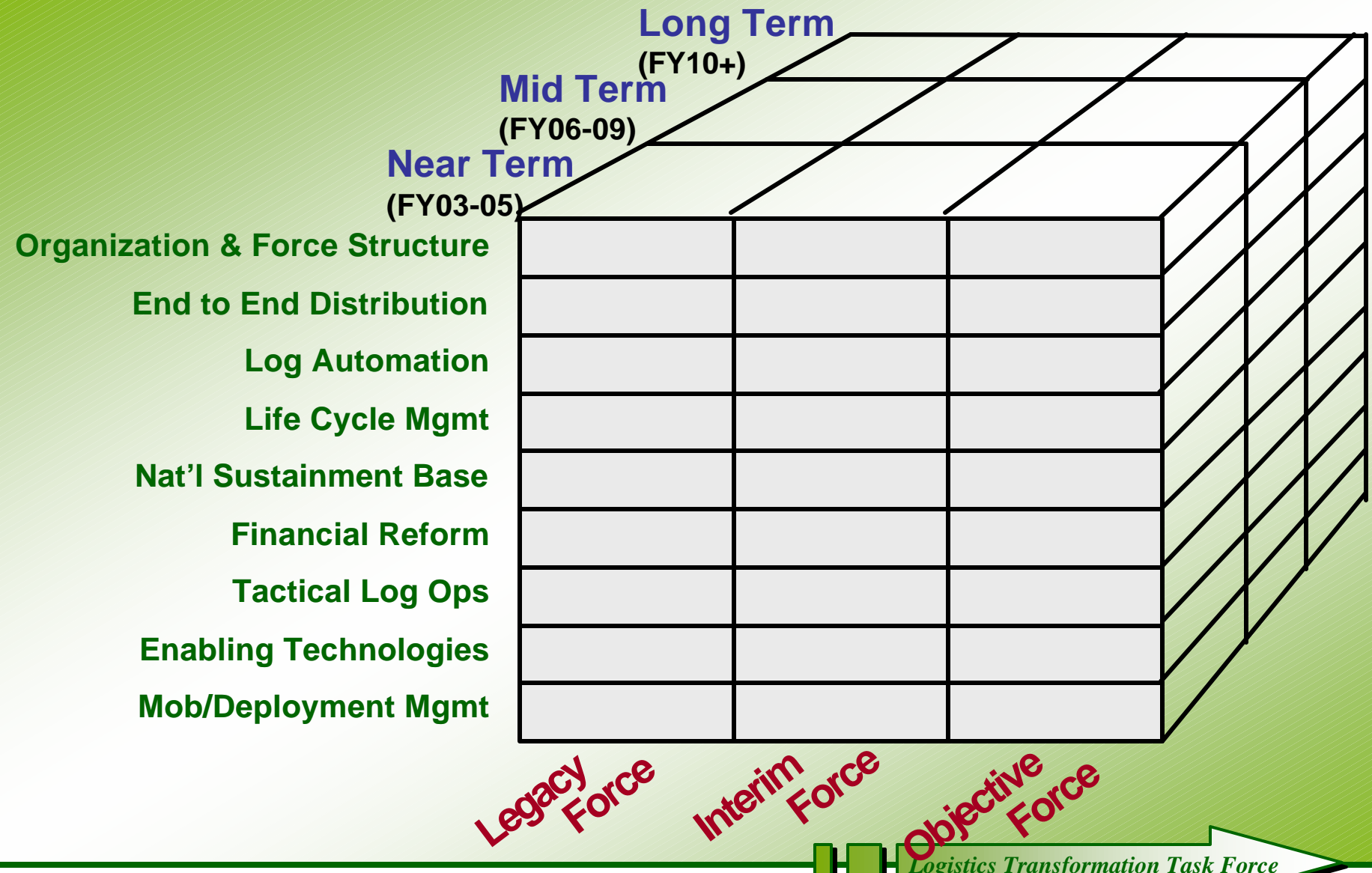
Benefits to the Warfighter

Lethality:	60% Faster weapons “pit-stop” resupply
Agility:	70% Faster load re-configurations
Deployability:	100 tons per brigade reduction (min)





“Bin” Matrix





Logistics Transformation Task Force

Description of the Final Product

- Briefing and written report to the CSA
- Follow-on briefing / report to Sec Army
- Recommendations for decisions that will be implemented beginning 1 Oct 02.

Send us your ideas!!

Userid: "LTTFguest"

Password: "GuestInput"
(not case sensitive)

URL: <https://aeps.ria.army.mil/lttf/lttf.htm>

Logistics



Transformation

Without a Transformation in Logistics, there will be no Army Transformation . . .